1. 2410 x(n) = x(n-1) + 5n>1,  $\alpha(1)=0$ . Tago 20(11) - x(n-1) +5 = [2(n-2)+5]+5 = x(n-2)+5.2= [2(n-3) + 5] + 5.9= 1.(n-3) + 5.3.  $\alpha.(n-i) + 5i$ ~ ~ (1) + \$ (n-1) = 5 (n-1) J.4.1.C  $x(n) = 8x \cdot 2(n-1) + n , n > 0, x(0) = 0$ 700 x(n)= x.(n-1)+n. = [x.(n-2) +(n-1)] +n -x.(n-2)+(n-1)+n= [2(n-3)+(n-2)]+(n-1)+n = 2(n-3)+ (n-2)+(n-1)+n = >c(n-i) + (n-i+1) + ..+c1 = x(0) + 1 + 2 + ... + n = n(n+1)

9.

Tacó

Tand: 200-4) 411

T(n) = T(n-1) +1, T(0)-1

Tad T(n): T(n-1)+1 = [T(r2)+1]+1

= T (n-2)+2 =

= T (n-i) +i

= T(0) +n

= 1+n